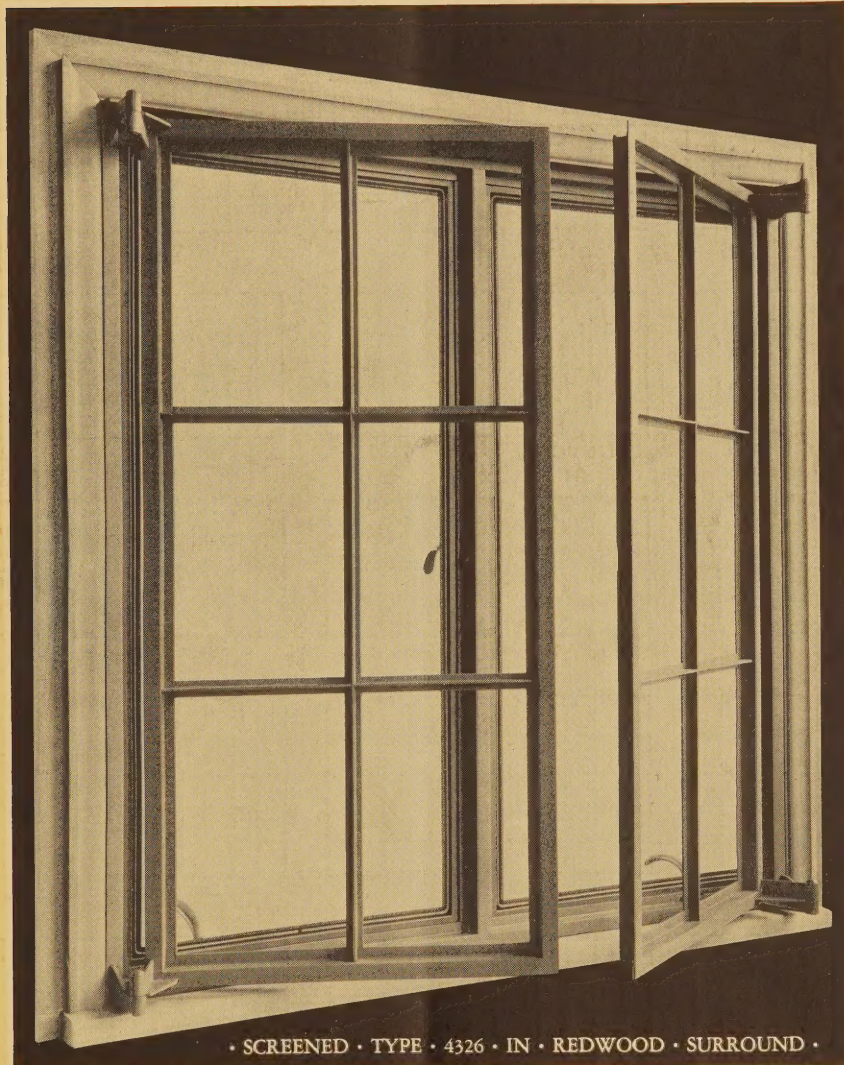


A.T.A. FILE NO. 16-E-1

1818 HOPE'S 1935

· THE · NAME · GUARANTEES ·



· SCREENED · TYPE · 4326 · IN · REDWOOD · SURROUND ·

H O L F O R D  
C A S E M E N T S





# HOPE'S *Holford*

FOR POSITION OF DIMENSIONS SEE PAGE 4

 1212	 2214	 4224	 4214 VC	 6224 VC	 8224 VC	 22	 12
 1313	 2316	 4326	 4316 VC	 6326 VC	 8326 VC	 23	 13
 1413	 2416	 4426	 4416 VC	 6426 VC	 8426 VC	 24	 14
 1414	 2418	 4428	 4418 VC	 6428 VC	 8428 VC	 24	 14
 1514	 2518	 4528	 4518 VC	 6528 VC	 8528 VC	 25	 15
 1614	 2618	 4628	 4618 VC	 6628 VC	 8628 VC	 26	 16

• SCALE •  $\frac{3}{16}$ " • TO • A • FOOT •

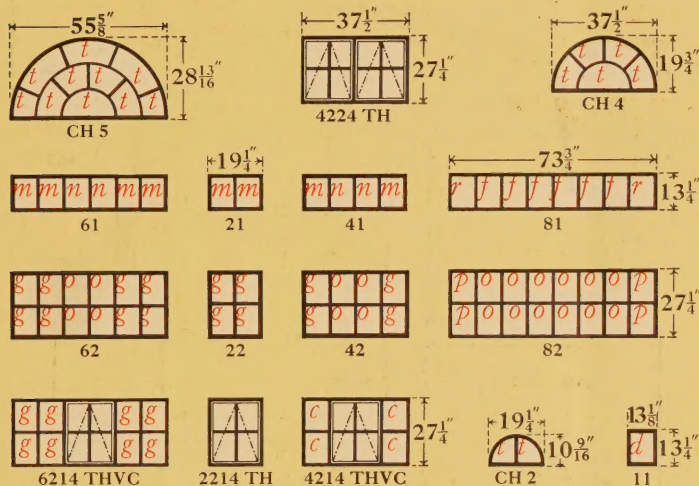
• T Y P E S • A N D • S I Z E S •



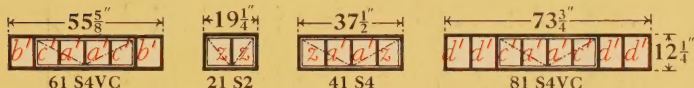
# Casements and Screens



FOR POSITION OF DIMENSIONS SEE PAGE 4



The Ventilators shown above are hinged at top



The four SILL types or TILTIN units shown above are designed for attachment to any Light Casement (of same width) as a sill ventilator unit, screened or nonscreened as required.

Example is given at left.

## GLASS SIZES

WIDTH	HEIGHT	WIDTH	HEIGHT
a	8" x 12"	r	8 3/8" x 11 1/4"
b	10 1/4" x 12"	s	8 1/2" x 10 1/4"
c	8" x 12 1/2"	u	8 7/8" x 10 1/4"
d	11 1/4" x 11 1/4"	v	8 1/2" x 10 3/4"
e	8 1/2" x 11 1/4"	w	11 1/4" x 10 1/4"
f	8 7/8" x 11 1/4"	x	11 1/4" x 10 3/4"
g	8 1/2" x 12 1/2"	y	8 3/8" x 10 1/4"
h	8 1/2" x 12"	z	7 1/2" x 10 5/8"
i	8 1/2" x 11 1/8"	a'	8 1/8" x 10 5/8"
j	11 1/4" x 12 1/2"	b'	8" x 11 1/8"
k	11 1/4" x 12"	c'	8 1/2" x 10 5/8"
l	11 1/4" x 11 1/8"	d'	8 3/8" x 11 1/8"
m	8 1/2" x 11 1/2"	e'	10" x 12"
n	8 7/8" x 11 1/2"	f'	12" x 18"
o	8 7/8" x 12 1/2"	g'	10" x 20"
p	8 3/8" x 12 1/2"	h'	14" x 20"
q	8 3/8" x 12"	k'	10" x 16"

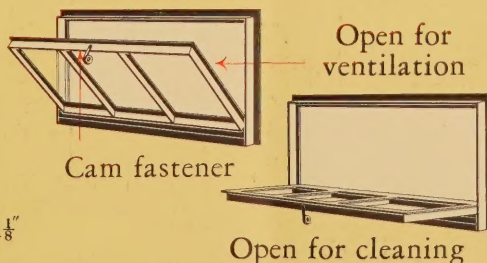
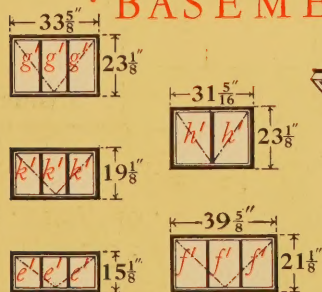
t TEMPLATE

Panes not marked on diagram are all size "a" (8" wide x 12" high).

The above are exact cutting sizes.

REFER TO PAGES 8 AND 9 FOR DETAILS OF SCREEN HARDWARE.

## BASEMENT WINDOWS



THESE Basement Windows are kept in stock. Ventilators open from the head inward and automatically stop at 45° and 90°. Vents are removable and interchangeable.

GUIDE angles on jambs align wall and also hold screens when required. Standard screens can be furnished.

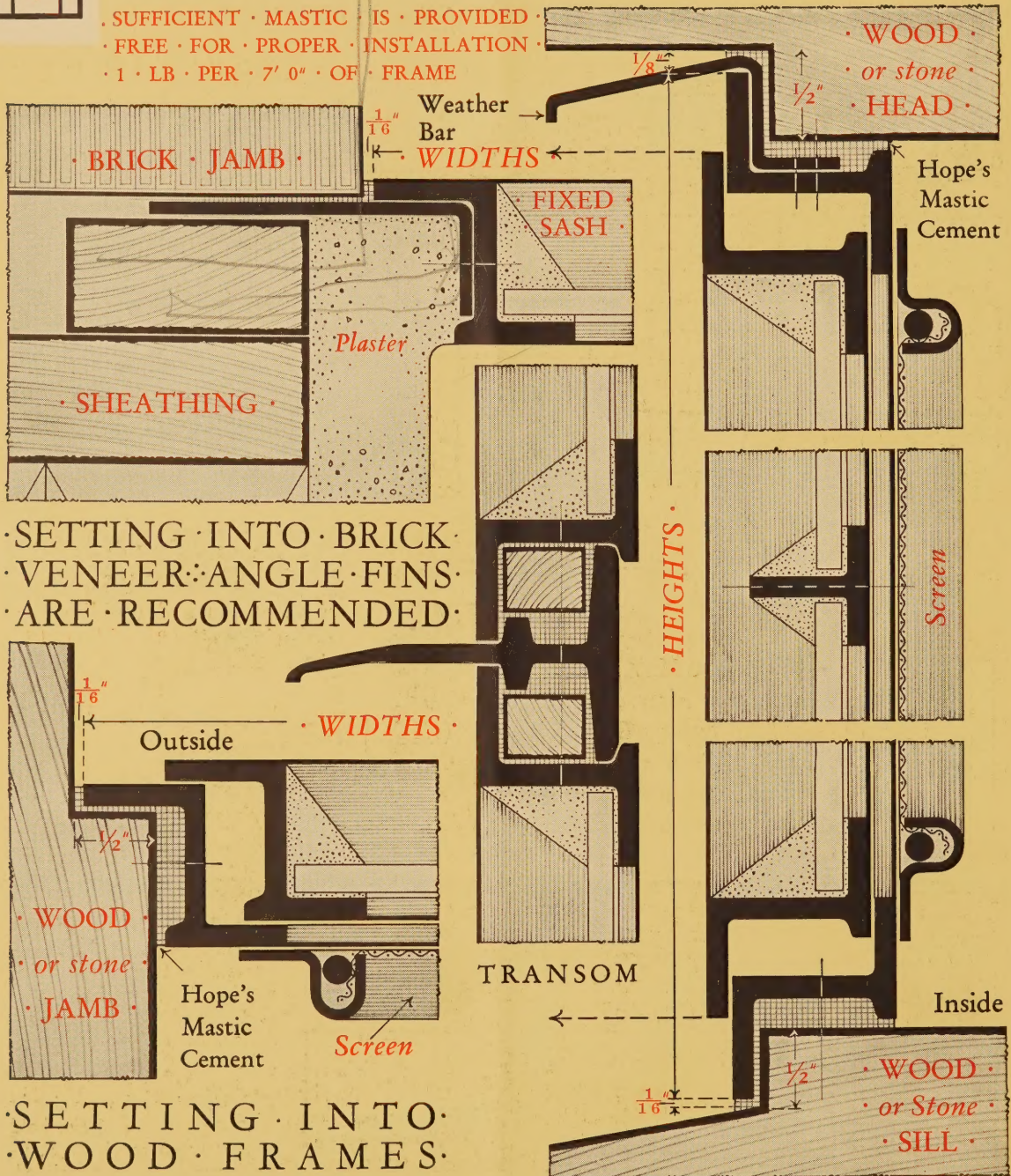
## BASEMENT WINDOWS





# HOPE'S *Holford*

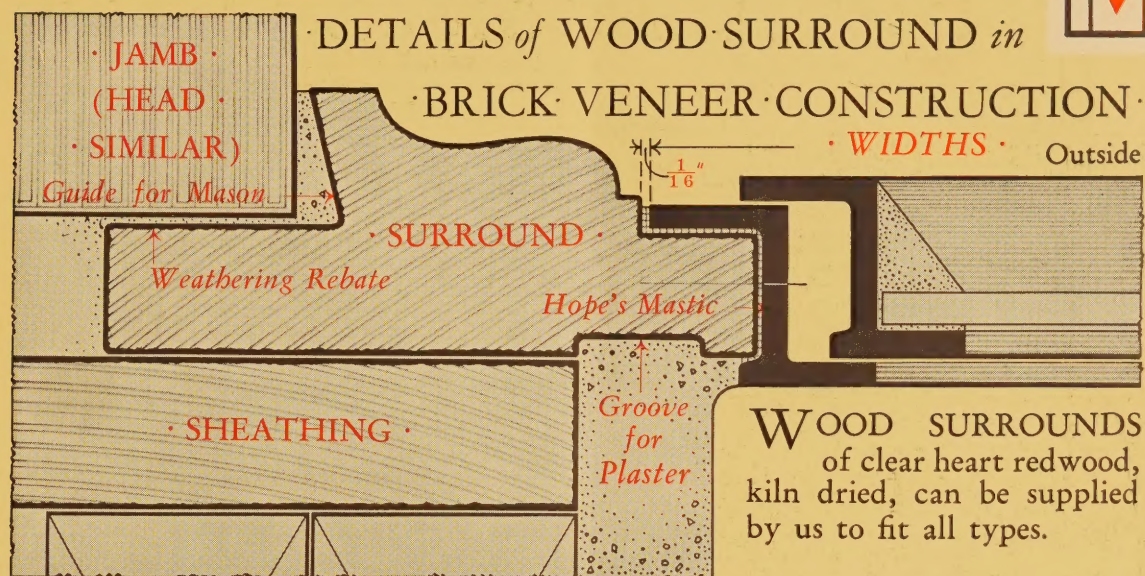
· SUFFICIENT · MASTIC · IS · PROVIDED ·  
· FREE · FOR · PROPER · INSTALLATION ·  
· 1 · LB · PER · 7' 0" · OF · FRAME



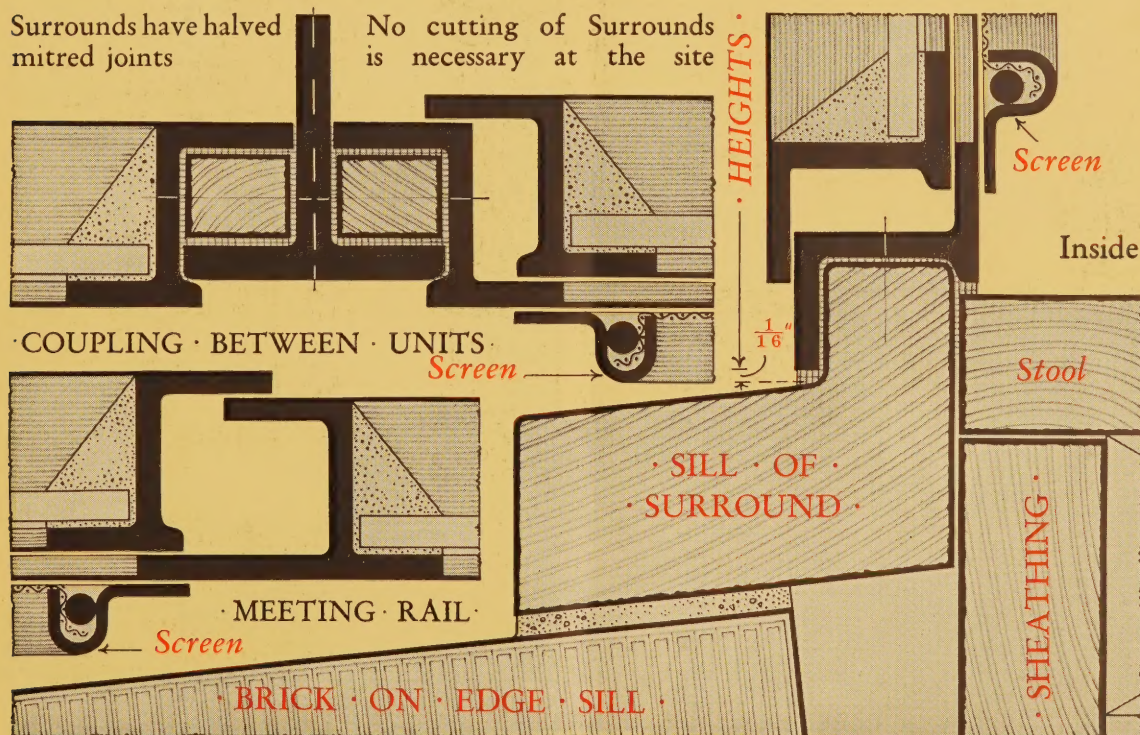
· FULL · SIZE · DETAILS ·



# Redwood Surrounds



WOOD SURROUNDS of clear heart redwood, kiln dried, can be supplied by us to fit all types.



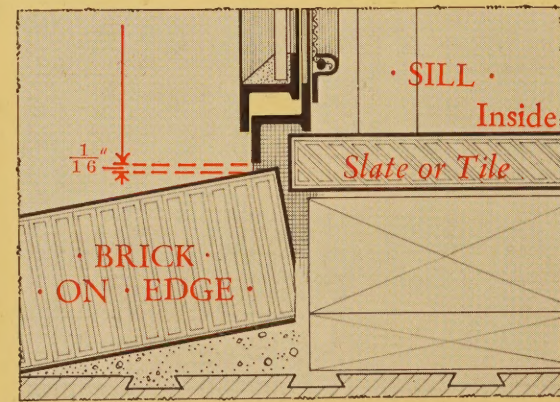
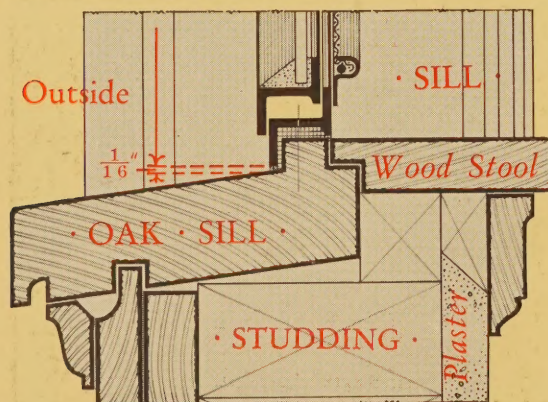
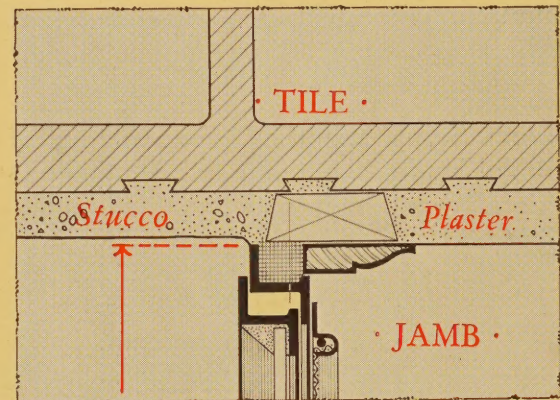
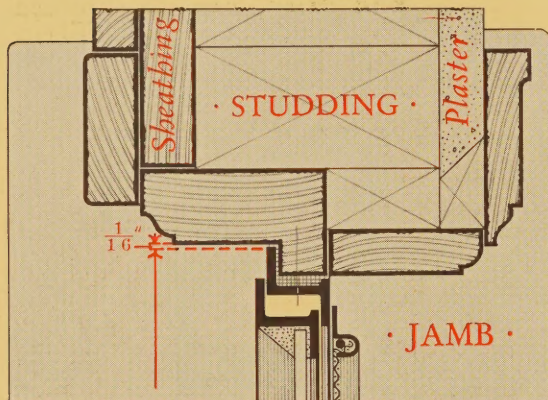
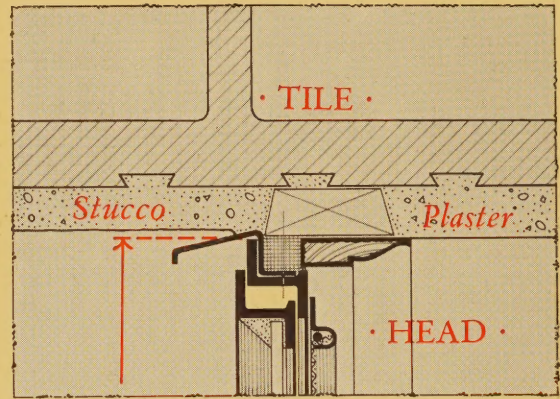
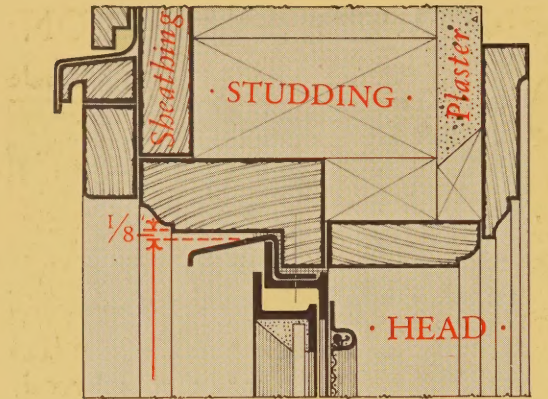
FULL SIZE DETAILS





# HOPE'S *Holford*

· INSTALLATION · DETAILS ·



· WOOD · FRAME ·

· TILE · & · STUCCO ·

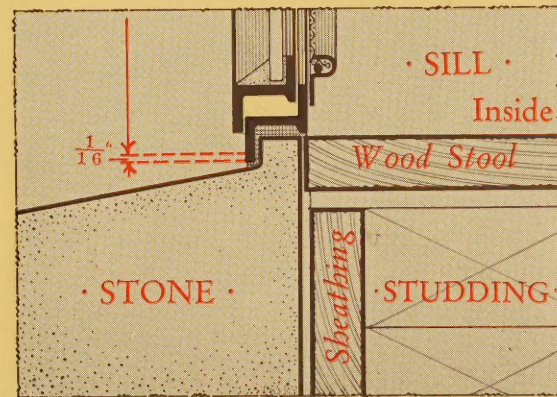
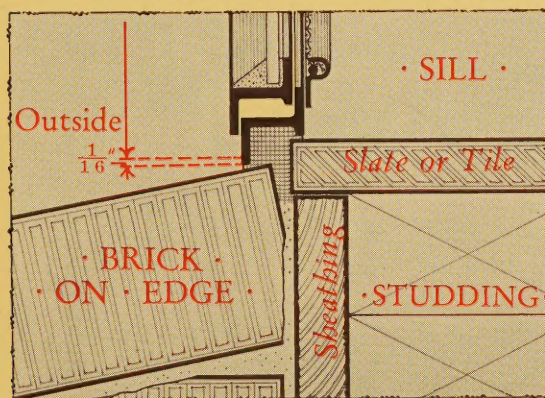
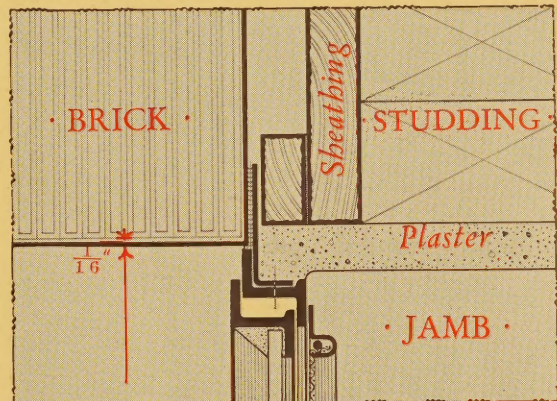
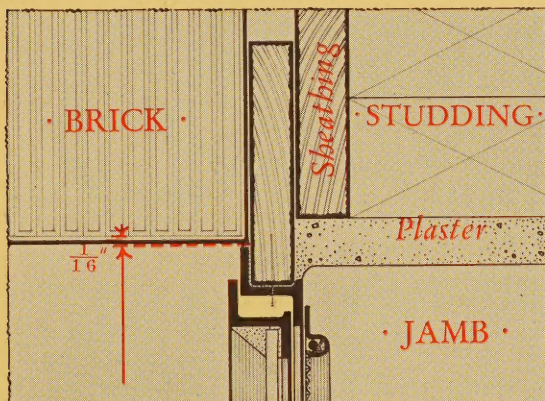
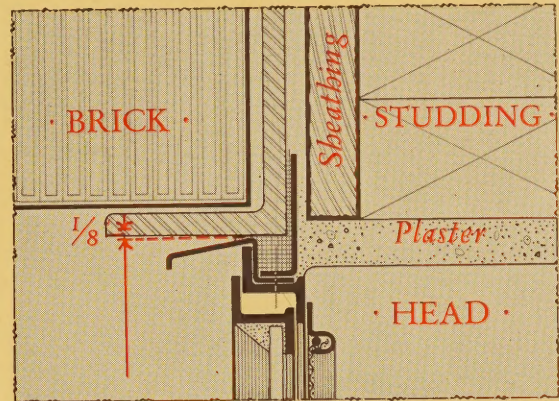
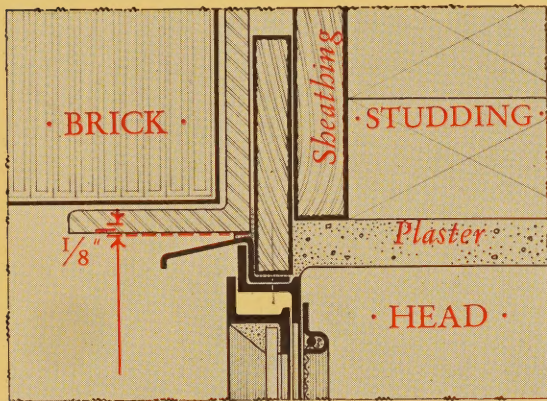
· DETAILS ·  $\frac{1}{3}$  · FULL · SIZE ·



# Standard Windows



· INSTALLATION · DETAILS ·



· BRICK · VENEER · · ANGLE · FIN ·

· DETAILS ·  $\frac{1}{3}$  · FULL · SIZE ·





# HOPE'S *Hardware*

· FASTENERS · AND · HINGES ·

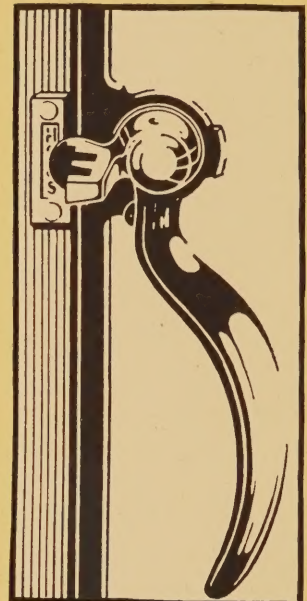


*Patent  
No.  
1988306*

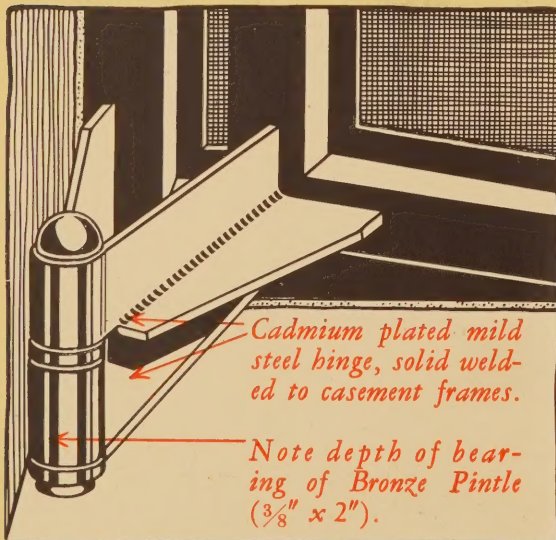
FASTENER No. 38-3  
for screened types

STANDARD hardware for Hope's Holford Casements is a die cast non-corrosive alloy, bronze plated. Solid bronze hardware can be supplied at extra cost, if preferred.

ALWAYS give hands of casements when ordering. The hand is determined by the position of the hinges viewed from the outside; in a right hand casement the hinges are at the right; in a left hand, at the left.

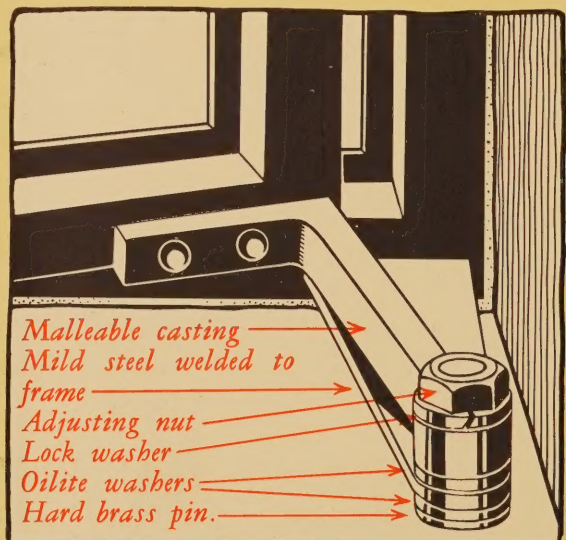


FASTENER No. 963  
for non-screened types



*Cadmium plated mild steel hinge, solid welded to casement frames.*

*Note depth of bearing of Bronze Pintle ( $\frac{3}{8}$ " x 2").*



*Malleable casting  
Mild steel welded to frame  
Adjusting nut  
Lock washer  
Oilite washers  
Hard brass pin.*

CLEANING HINGE (Pintle Type) No. 225      FRICTION CLEANING HINGE No. 218

· ENGINEERING · QUALITY · HARDWARE ·



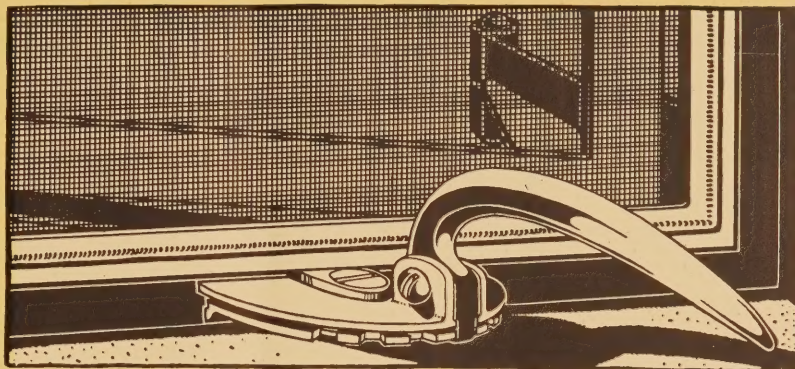
# Screened and Non-screened



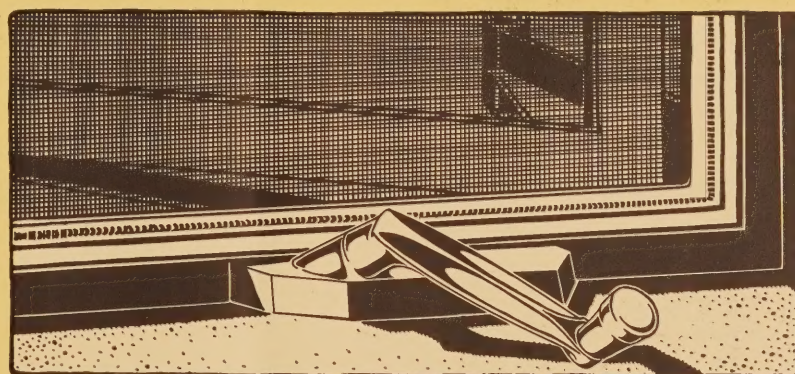
## · ADJUSTERS ·

**H**ARDWARE is shipped loose as standard practice to avoid damage and should be attached after casements are installed and plastering finished.

**S**CREENED and non-screened windows are kept in stock. Hardware for screened types permits the complete operation of the casement without touching the screen. Our flat screen requires no notching nor holes for hardware and is held closely to the casement frame by simple fastenings. Casements are hung on strong projecting hinges to facilitate cleaning.

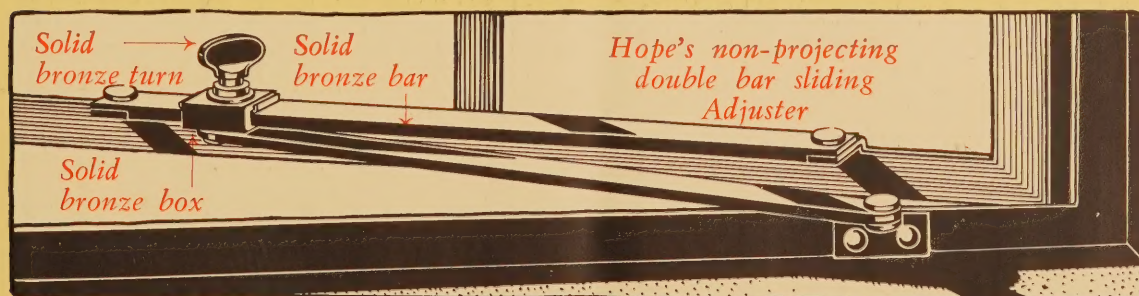


QUADRANT ADJUSTER NO. 74



ROTARY ADJUSTER NO. 73

*Screened casements can be fitted with either of the above adjusters without extra cost*



ADJUSTER NO. 223C FOR NON-SCREENED TYPES (*Supplied as an extra if desired.*)

· MADE · WITH · PRECISION · TOOLS ·





# HOPE'S *H. M. Types for*

## H. M. (HORIZONTAL MUNTIN) TYPES AND SIZE

19 $\frac{1}{4}$ "  HM22	19 $\frac{1}{4}$ "  HM2214	37 $\frac{1}{2}$ "  HM42	37 $\frac{1}{2}$ "  HM4214	37 $\frac{1}{2}$ "  HM42VC	37 $\frac{1}{2}$ "  HM4214VC	37 $\frac{1}{2}$ "  HM4224	55 $\frac{5}{8}$ "  HM62	55 $\frac{5}{8}$ "  HM6224	55 $\frac{5}{8}$ "  HM6214VC
 HM23	 HM2314	 HM43	 HM4314	 HM43VC	 HM4314VC	 HM4324	 HM63	 HM6324	 HM6314VC
 HM2316	 HM4316	 HM4316VC	 HM4326	 HM6326	 HM6316VC				
 HM24	 HM2416	 HM44	 HM4416	 HM44VC	 HM4416VC	 HM4426	 HM64	 HM6426	 HM6416VC
 HM2418	 HM4418	 HM4418VC	 HM4428	 HM6428	 HM6418VC				
 HM25	 HM2518	 HM45	 HM4518	 HM45VC	 HM4518VC	 HM4528	 HM65	 HM6528	 HM6518VC
 HM26	 HM2618	 HM46	 HM4618	 HM46VC	 HM4618VC	 HM4628	 HM66	 HM6628	 HM6618VC

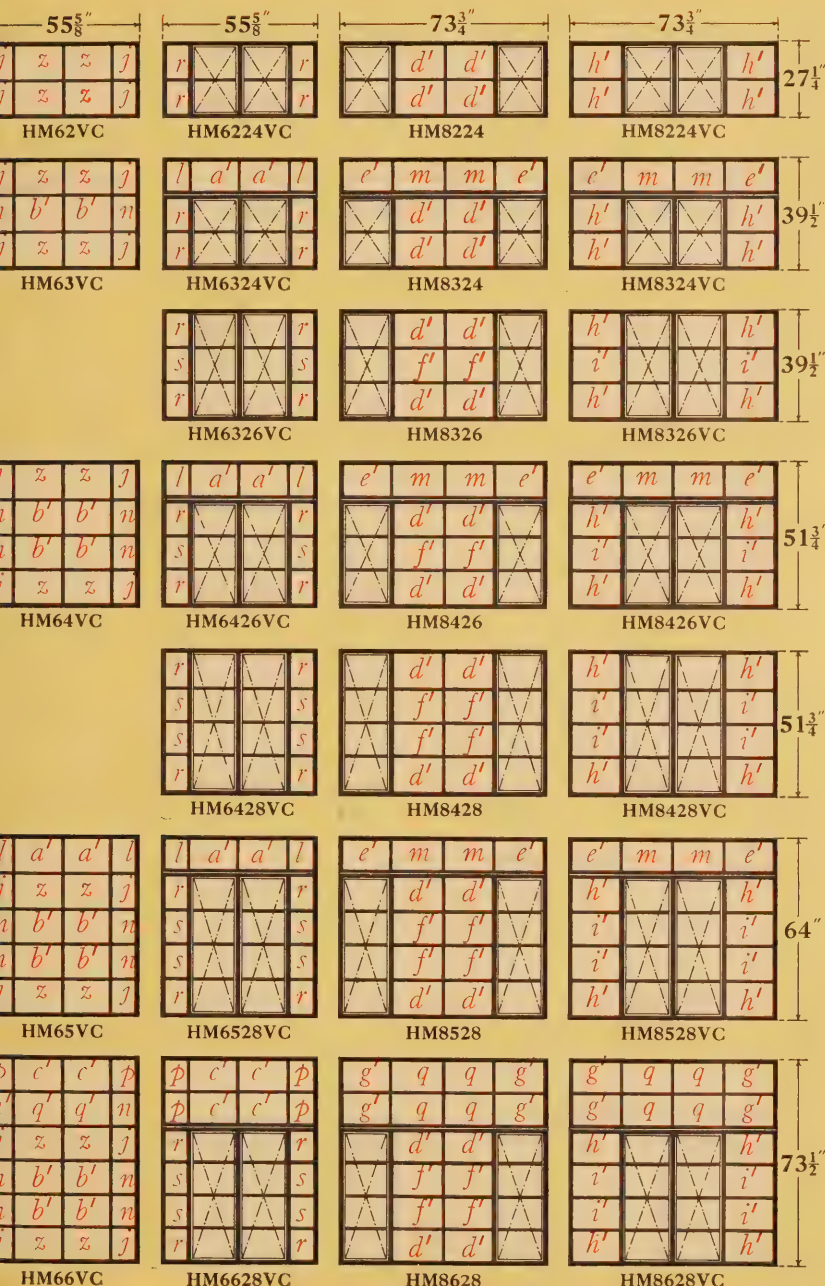
· DESIGNED · AND · ADOPTED



# Low Cost Housing Projects



FOR POSITION OF DIMENSIONS SEE PAGE 12



## GLASS SIZES

Width Height

Width Height

a	16 1/4" x 12"	x	17"	x 12 1/2"
b	17 3/8" x 12 1/2"	y	17"	x 12"
c	17 3/8" x 11 1/4"	z	17 3/4" x 12 1/2"	
d	17 3/8" x 12"	a'	17 3/4" x 11 1/4"	
e	17 3/8" x 10 3/16"	b'	17 3/4" x 12"	
f	17 5/8" x 12 1/2"	c'	17 3/4" x 10 3/16"	
g	17 5/8" x 11 1/4"	d'	17 1/8" x 12 1/2"	
h	17 5/8" x 12"	e'	17 9/16" x 11 1/4"	
i	17 5/8" x 10 3/16"	f'	17 1/16" x 12"	
j	8 1/2" x 12 1/2"	g'	17 9/16" x 10 3/16"	
k	18" x 12 1/2"	h'	17 1/16" x 12 1/2"	
l	8 1/2" x 11 1/4"	i'	17 1/8" x 12"	
m	18" x 11 1/4"	j'	17 3/8" x 11 1/2"	
n	8 1/2" x 12"	k'	17 3/8" x 10 1/2"	
o	18" x 12"	l'	17 5/8" x 11 1/2"	
p	8 1/2" x 10 3/16"	m'	17 5/8" x 10 1/2"	
q	18" x 10 3/16"	n'	8 1/2" x 10 1/2"	
r	8" x 12 1/2"	o'	18" x 10 1/2"	
s	8" x 12"	p'	17 1/2" x 10 1/2"	
t	17 1/2" x 12 1/2"	q'	17 3/4" x 10 1/2"	
u	17 1/2" x 11 1/4"	r'	17 3/8" x 12 1/2"	
v	17 1/2" x 12"	s'	17 3/8" x 12"	
w	17 1/2" x 10 3/16"			

Panes not marked on diagram are all size "a" (16 1/4" wide x 12" high).

The above are exact cutting sizes.

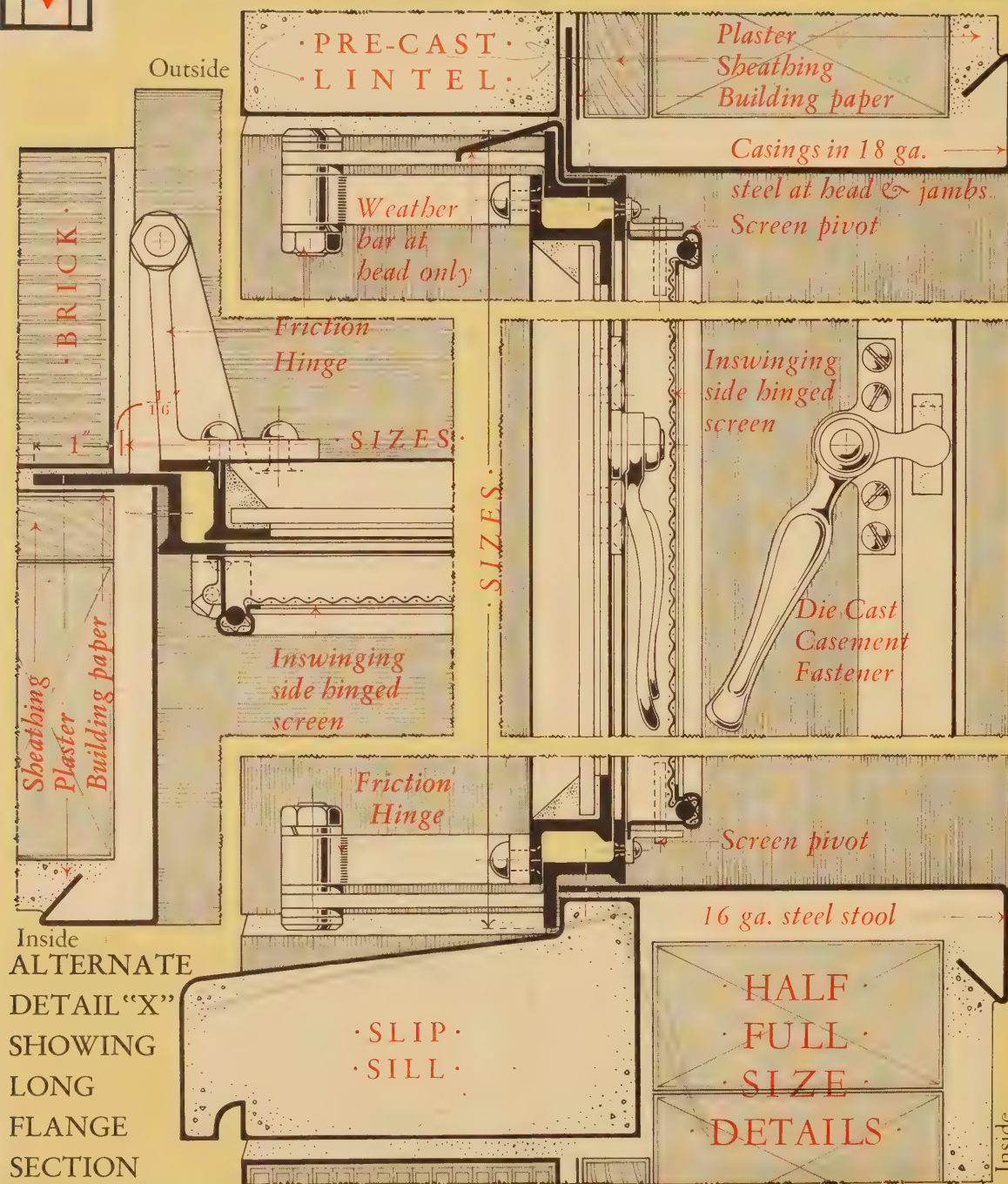
H. M. TYPES are economical and easy to install and glaze. They are equipped with simple but efficient hardware, drilled for curtain brackets and prepared for inswinging screens. Steel casings supplied, if desired.

FOR HOUSING SCHEMES





# HOPE'S *H. M. Types*



· HINGED · SCREENS · STEEL · CASINGS ·



# *Pertinent Points*

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ON pages 2 and 3 of this catalog, we illustrate our complete line of Holford Casements in standard sizes, vertical muntin types. On pages 10 and 11 we illustrate our complete line of Holford Casements in standard sizes with vertical muntins omitted, the types illustrated being known as H.M. types.

H.M. types are recommended for projects financed by development or investment builders, slum clearance schemes, pre-fabricated houses and all other low-cost housing projects.

They not only cost approximately 7% less than corresponding types with vertical muntins but they can be glazed at an average saving of 27%. For these reasons H.M. types are now being widely specified.

They are drilled to take curtain brackets and preparation for inswinging screens is also standard. They are hung on cleaning friction hinges and fitted with the bronze plated die cast fastener illustrated on page 12.

We stock, and recommend, inswinging screens in standard sizes to suit these casements. They are low in price, simple to attach and they are fly-tight. Screen frames are strongly welded and reinforced at each corner, galvanized after fabrication and primed one shop coat of paint to match the casement. They are wired with 16 mesh Anaconda bronze wire cloth held in place with 3/16" round solid steel splines. They are easily rewireable and 18 mesh is obtainable at slight extra cost.

For the larger low-cost housing schemes, we offer our long flange frame bar—detail "X" page 12—as optional construction to short flange frame with angle fins. Holford Casements with long flange frame are not kept in stock.

Fire-resisting pressed steel casings and stools—details on page 12—are offered in standard sizes for both vertical muntin and H.M. types. They arrive at the site attached to the windows, form a template for the mason, provide a key for plaster, obviate plaster grounds and corner beads and reduce plastering and construction costs.

Pressed steel casings, stools and Holford casements are given one shop coat of DuPont's special anti-corrosive paint, BAKED ON.

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· SUITABLE · FOR · HOUSING · SCHEMES ·

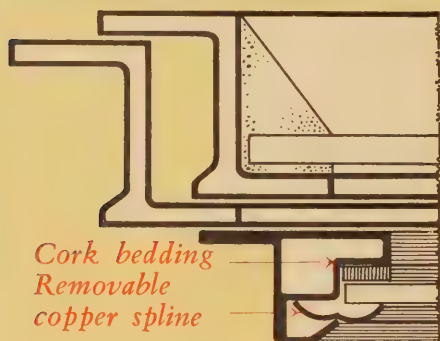
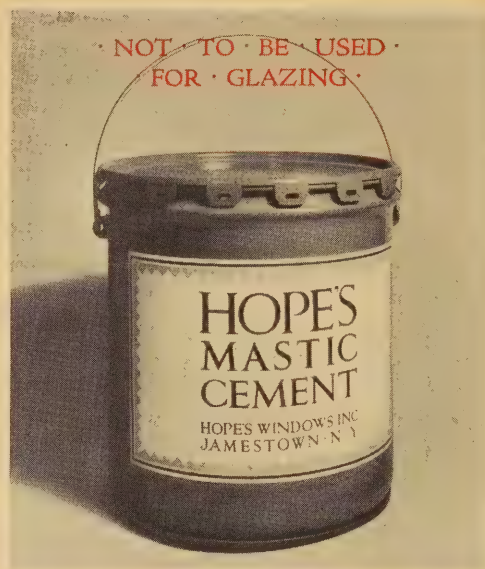




# HOPE'S *Mastic*

A RADICAL change has recently taken place in the materials used for installing metal casements. No longer can we be content to use a hard-drying cement since it will undoubtedly crack sooner or later and a leaky joint may result. Hope's are pleased to announce that they have now produced a caulking compound that will retain its plasticity and at the same time its adhesiveness under all conditions.

*A sufficient quantity of this Mastic for installing all windows is provided free with each shipment. 1 lb. per 7' of frame.*



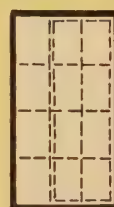
*Cork bedding  
Removable  
copper spline*

## · F · S · SECTION ·

showing storm sash attached to casement frame. Hope's Storm sash are interchangeable with Hope's insect screens without special preparation.



*The above unit is used with two, four and eight panewide windows.*



*The above unit is used with six pane wide windows. (V. C. types.)*



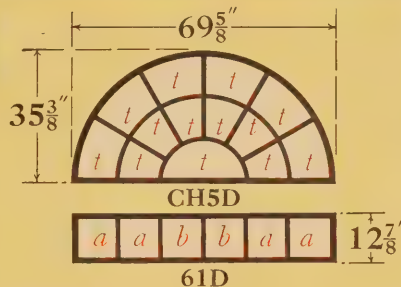
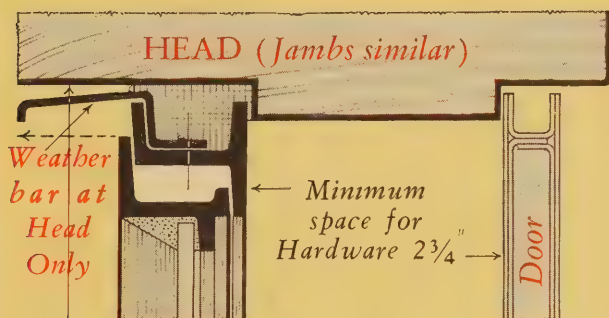
STORM · SASH  
with Ventilator

STANDARD sizes to fit all types, glazed with D.S.A. glass or unglazed, with or without ventilators, are kept in stock.

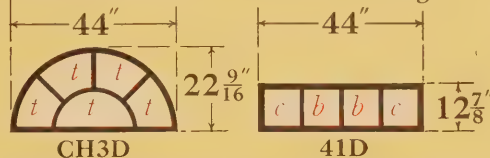
## · HOPE'S · STORM · SASH ·



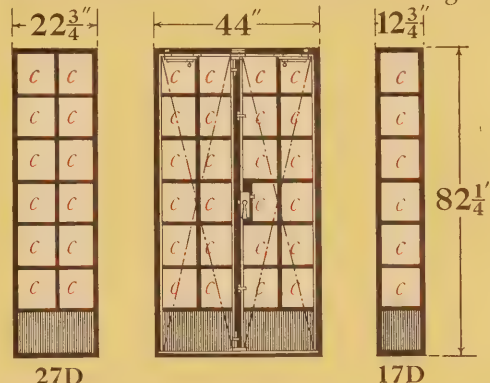
# Windows and Doors



TRANSOMS For doors with sidelights



TRANSOMS For doors without sidelights



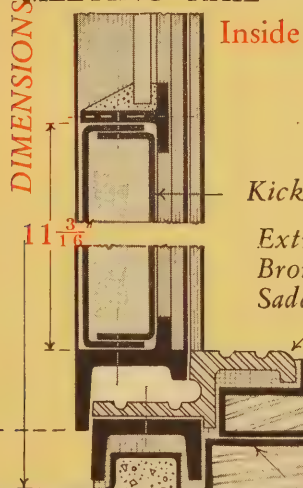
TYPE "M" DOORS AND SIDELIGHTS

THESE doors can be opened from both sides and locked from inside. Cylinder locks can be supplied at small extra. Type "L" is the corresponding leaded glass type. Both types open outwards only. When sidelights are coupled to doors with Tee mullions, the widths of the openings are: 69 5/8" for 17D sidelights and 89 5/8" for 27D sidelights.

Sill section of all transoms shown on this page is our No. 2053 as illustrated on page 16 of our Cotswold Catalog No. 14. When these transoms are coupled to doors, the heights of the openings are: 95" for 41D or 61D, 104 5/8" for CH3D, and 117 1/2" for CH5D.



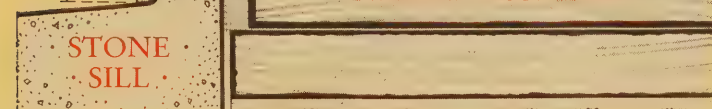
MEETING RAIL



GLASS  
(CUTTING)  
SIZES

Width Height

- a 11 3/16" x 11 1/8"
- b 10 5/16" x 11 1/8"
- c 9 7/8" x 11 1/8"
- d 8 1/16" x 11 1/8"
- t TEMPLATE



DOORS AND SIDELIGHTS



· HOPE'S · HOLFORD · CASEMENTS ·



RESIDENCE at WESTPORT, CONN. FRAZIER FORMAN PETERS, Archt.

THIS photograph and the photographs on the following pages demonstrate the wide range of climatic conditions for which Hope's Holford Casements are eminently suitable.



· HOPE'S · HOLFORD · CASEMENTS ·



100% VENTILATION IF DESIRED IN SUMMER



PROOF AGAINST WINTER'S STORMS AND BLIZZARDS



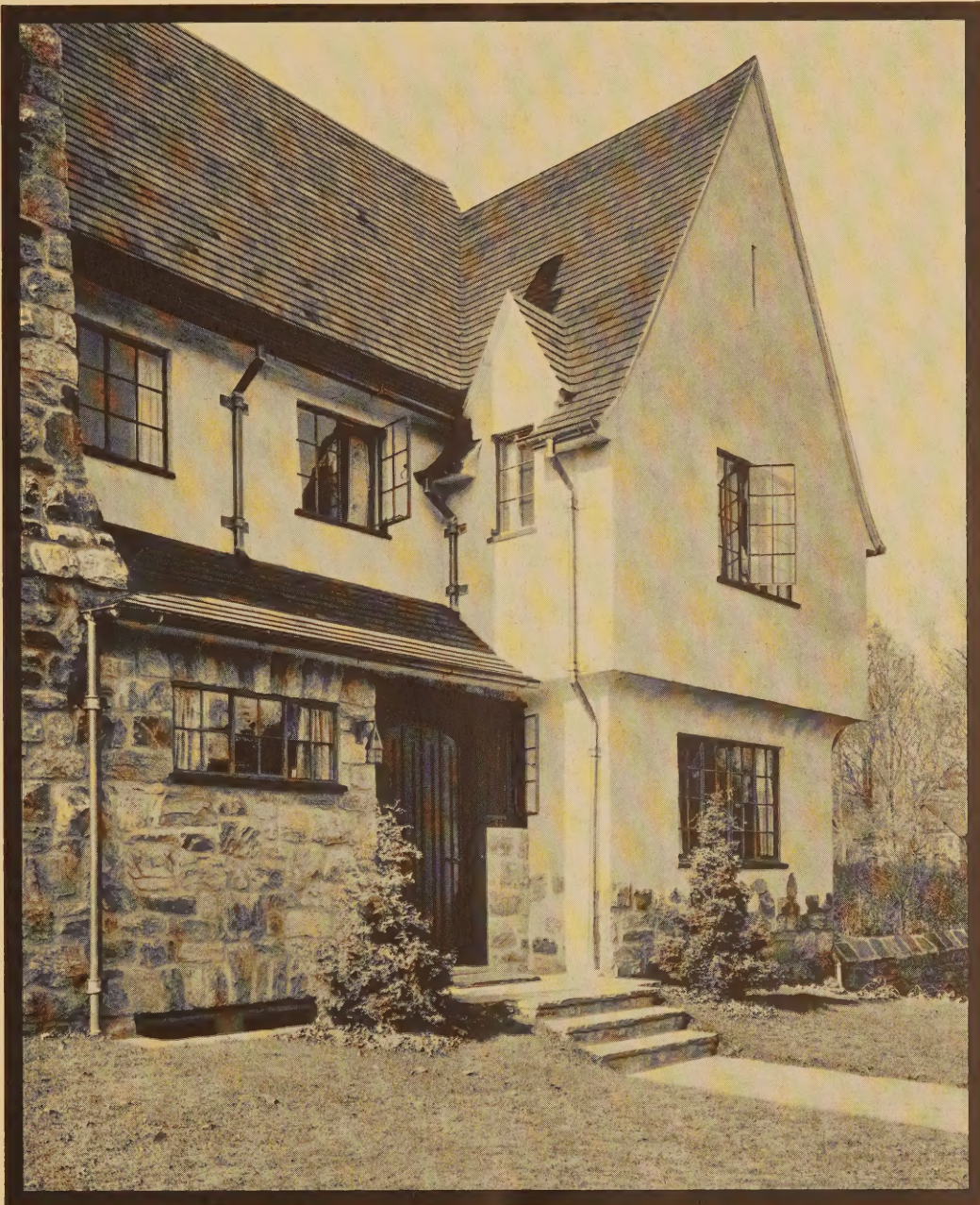
· HOPE'S · HOLFORD · CASEMENTS ·



FOR OTHER EXAMPLES OF DRAPING WRITE FOR CATALOG No. 65



· HOPE'S · HOLFORD · CASEMENTS ·



RESIDENCE AT PELHAM, N. Y.

GRAMATATON HOMES, INC.



# · S P E C I F I C A T I O N ·

---

## HOPE'S HOLFORD CASEMENTS *in* STANDARD SIZES



ALL windows shall be Hope's Holford Casement Windows (with flat screens) in the standard types and sizes as shown by reference numbers on the drawings. Casements shall consist of inner and outer frames of solid rolled steel sections having a minimum depth of 1" from front to back and a combined weight of not less than 2.1 pounds per lineal foot (exclusive of angle fins or hardware). All corners shall be solid welded, neatly cleaned off and ground to a smooth finish. Sections shall provide a continuous, two-point, flat weathering contact between the inner and outer frames throughout the perimeter of the casement without the aid of loose or applied linings. All side hung casements shall open out and shall be hung on cadmium plated mild steel cleaning hinges pintle type welded solid to the casement and frame sections, complete with solid bronze 2" x  $\frac{3}{8}$ " pintles and washers. Muntins shall consist of rolled steel tee sections  $\frac{3}{4}$ " on face. All steel work shall be painted one coat of special rust resisting gray primer baked on.

Where flat screens are required, all casements shall be fitted with bronze plated die cast fastener No. 38-3 and rotary adjuster No. 73 (or quadrant adjuster No. 74) so designed and fitted as to permit the proper operation of the casements without any slots or holes through the screen. (*When side hinged or roll screens are to be used, omit the foregoing and substitute the following:* All side hinged casements shall be fitted with Hope's bronze plated die cast fasteners and hung on Hope's projecting friction hinges complete with special Oilite bushings and hexagonal adjusting nuts. When required, double bar adjusters as illustrated on page 9 of this catalog can be supplied at a small extra.)

Screens shall be of standard sizes as supplied by Hope's Windows, Inc., and shall be carefully packed and shipped separately. Screen frames shall be made from copper bearing open hearth steel, "U" shaped, strongly welded and reinforced at each corner, galvanized after all cutting and abrasive operations have been completed and with prime coat of gray paint baked on. Screen frames shall be easily re-wireable and shall be filled with standard weight Old English gauge 16 mesh Anaconda bronze wire cloth, held in place by  $\frac{3}{16}$ " round solid steel splines galvanized, bent at the corners and continuous to insure further reinforcement of frame.

The installing of the windows shall form part of this contractor's work. (*If this is not possible and local labor is employed, the manufacturer's instructions for installing must be very carefully followed. A sufficient quantity of Hope's mastic cement, namely, 1 pound per 7 ft. of perimeter, is provided free of charge for proper installation of all windows.*) The joint between window and surrounding construction shall be properly bedded and neatly pointed with Hope's mastic cement. Glass and glazing by glazing contractor, finish painting by painting contractor. (Finish painting should be deferred until three weeks after glazing to permit putty to set).

### WOOD SURROUNDS

We stock Wood Surrounds of California clear heart Redwood, kiln dried, in standard lengths to fit our Holford Casements (refer to page 5 for full sized details). Redwood Surrounds can be supplied individually packed in cartons, mitered and cut to exact lengths complete with parkerized screws ready for the carpenter to attach to the casement, or casements can be shipped with surrounds already attached. Hope's Redwood Surrounds are especially suitable for brick veneer construction. They provide a deep weathering rebate which also serves as a key for mortar; they act as a guide or "liner" for the mason; they provide a groove for the location and a key for the plaster; they save time and material on the job. Surrounds made of Redwood last indefinitely, without fear of decay or deterioration.

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· HOPE'S · WINDOWS · INC · : : · JAMESTOWN · N · Y ·

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